

**MODEL:** MR-2501 | **DESCRIPTION:** 2.5 MM AUDIO JACK**FEATURES**

- 2.5 mm audio jack
- cable mount
- mono audio

**SPECIFICATIONS**

| parameter                  | conditions/description           | min | typ   | max | units  |
|----------------------------|----------------------------------|-----|-------|-----|--------|
| contact resistance         | between terminal and mating plug |     |       | 50  | mΩ     |
| insulation resistance      | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute                     |     |       | 500 | Vac    |
| insertion/withdrawal force |                                  | 0.4 |       | 2   | kg     |
| operating temperature      |                                  | -10 |       | 50  | °C     |
| life                       |                                  |     | 3,000 |     | cycles |
| flammability rating        | UL94V-2 (PA only)                |     |       |     |        |
| RoHS                       | yes                              |     |       |     |        |

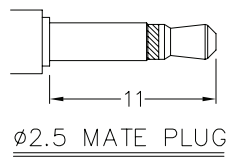
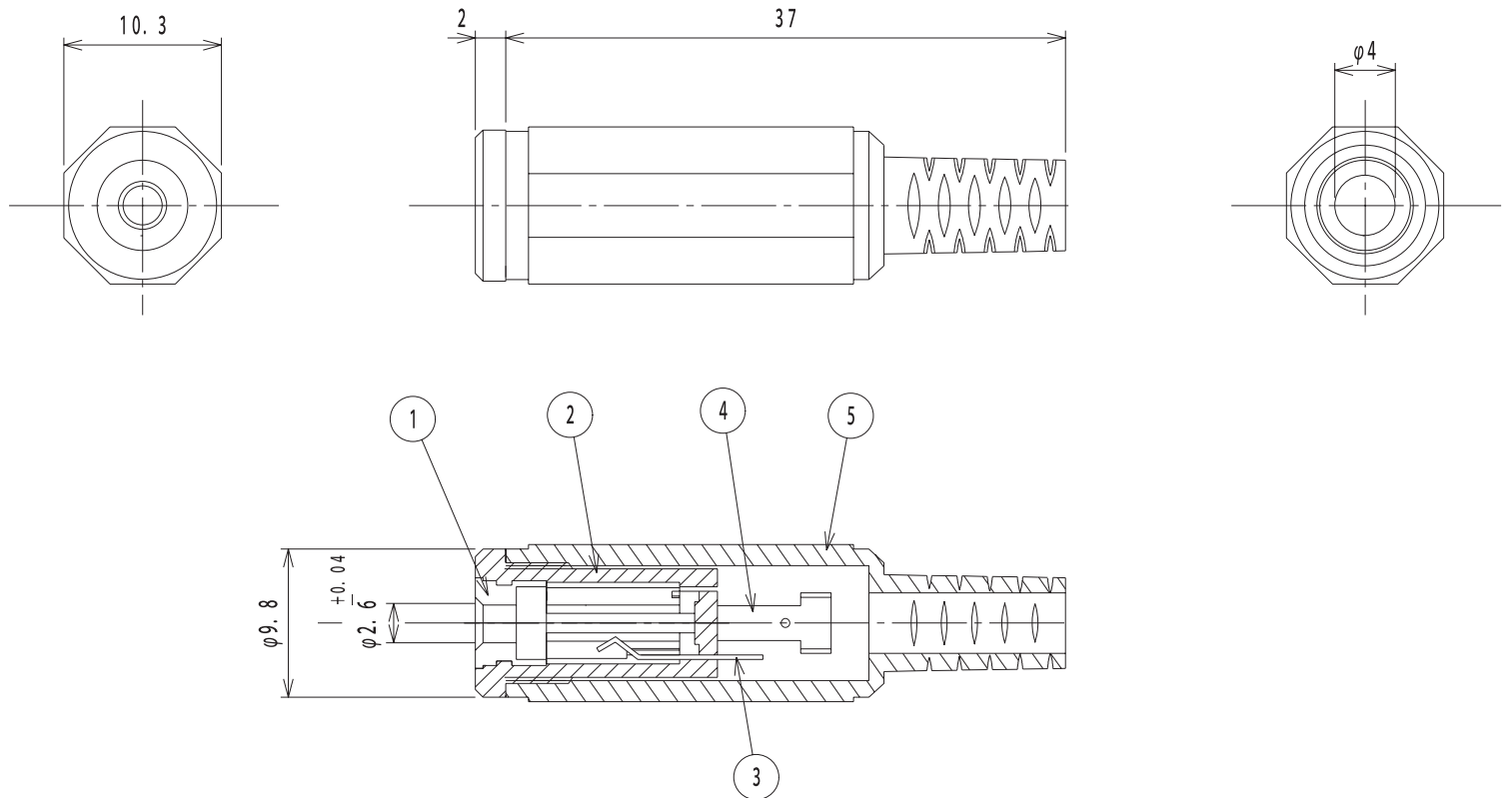
**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for 2 seconds max      |     | 360 |     | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm

|              | MATERIAL        | PLATING |
|--------------|-----------------|---------|
| (1) sleeve   | brass           | nickel  |
| (2) housing  | PA              |         |
| (3) contact  | phosphor bronze | nickel  |
| (4) terminal | brass           | nickel  |
| (5) cap      | PE              |         |



|           |         |
|-----------|---------|
| Model No. | MR-2501 |
| Schematic |         |
| PIN       |         |
| 1         | sleeve  |
| 2         | tip     |

## REVISION HISTORY

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| rev. | description                        | date       |
|------|------------------------------------|------------|
| 1.0  | initial release                    | 09/06/2006 |
| 1.01 | added schematic                    | 12/05/2006 |
| 1.02 | design improvement of body and tip | 01/09/2015 |
| 1.03 | brand update                       | 10/18/2019 |

The revision history provided is for informational purposes only and is believed to be accurate.

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